

Title (en)

COMPONENT THAT CAN BE CHARGED WITH HOT GAS FOR A GAS TURBINE AND SEALING ASSEMBLY WITH SUCH A COMPONENT

Title (de)

HEISSGASBEAUFSCHLAGBARES BAUTEIL FÜR EINE GASTURBINE SOWIE DICHUNGSANORDNUNG MIT EINEM DERARTIGEN BAUTEIL

Title (fr)

COMPOSANT POUVANT ÊTRE ALIMENTÉ PAR UN GAZ CHAUD POUR UNE TURBINE À GAZ ET SYSTÈME D'ÉTANCHÉITÉ DOTÉ D'UN TEL COMPOSANT

Publication

EP 3087254 B1 20180418 (DE)

Application

EP 15705578 A 20150213

Priority

- EP 14155131 A 20140214
- EP 2015053070 W 20150213
- EP 15705578 A 20150213

Abstract (en)

[origin: WO2015121407A1] The invention relates to a component (10) which can be subjected to hot gas for a gas turbine, said component having at least one wall, which comprises a first surface (26) as far as an edge (28), the first surface (26) being intended for delimiting a hot gas flow path of the gas turbine, and which comprises a second surface (30), which adjoins the edge (28) and is arranged transversely to the first surface (26), wherein a groove (34) provided for receiving a sealing element (44) is arranged in the second surface (30) and extends at least partially along the edge (38) at a distance from the edge (28), and wherein the groove (34) comprises a groove base (46) lying opposite the groove opening (42) and two mutually facing side walls (36) which adjoin said groove base and extend along the edge (28). In order to provide a comparatively durable component (10) subjected to hot gas for a gas turbine, it is proposed that at least one of the side walls (36) has at least one groove-shaped recess (38).

IPC 8 full level

F01D 5/12 (2006.01); **F01D 3/02** (2006.01); **F01D 11/00** (2006.01); **F01D 17/08** (2006.01); **F01D 25/26** (2006.01)

CPC (source: EP US)

F01D 3/02 (2013.01 - EP US); **F01D 5/12** (2013.01 - US); **F01D 11/006** (2013.01 - US); **F01D 17/08** (2013.01 - EP US); **F01D 25/26** (2013.01 - US); **F05D 2220/32** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2907977 A1 20150819; CN 105980664 A 20160928; CN 105980664 B 20180216; EP 3087254 A1 20161102; EP 3087254 B1 20180418; JP 2017507275 A 20170316; JP 6273031 B2 20180131; SA 516371638 B1 20211213; US 2016362996 A1 20161215; WO 2015121407 A1 20150820

DOCDB simple family (application)

EP 14155131 A 20140214; CN 201580008567 A 20150213; EP 15705578 A 20150213; EP 2015053070 W 20150213; JP 2016551734 A 20150213; SA 516371638 A 20160809; US 201515117334 A 20150213